

CONTENTS OF VOLUME 24B

Number 1

R. D. Bornstein	i Editorial
<i>Review Article</i>	
P. Brimblecombe	1 The composition of museum atmospheres
<i>General Papers</i>	
Y. R. Adebayo	9 Aspects of the variation in some characteristics of radiation budget within the urban canopy of Ibadan
N. J. Tapper	19 Urban influences on boundary layer temperature and humidity: results from Christchurch, New Zealand
D. N. Lerner	29 Groundwater recharge in urban areas
P. E. Todhunter and W. H. Terjung	35 The response of urban canyon energy budgets to variable synoptic weather types—a simulation approach
T. J. Lyons, J. R. Kenworthy and P. W. G. Newman	43 Urban structure and air pollution
C. Bowler and P. Brimblecombe	49 The difficulties of abating smoke in late Victorian York
P. J. Liroy, J. M. Waldman, T. Buckley, J. Butler and C. Pietarinen	57 The personal, indoor and outdoor concentrations of PM-10 measured in an industrial community during the winter
L. J. Standley and B. R. T. Simoneit	67 Preliminary correlation of organic molecular tracers in residential wood smoke with the source of fuel
R. W. Simpson and G. Miles	75 Controlling emissions to avoid violations of health standards for short term and long term exposures to TSP concentrations
M. Baumgärtner, A. Remde, E. Bock and R. Conrad	87 Release of nitric oxide from building stones into the atmosphere
M. Luria, R. Weisinger and M. Peleg	93 CO and NO _x levels at the center of city roads in Jerusalem
D. Grosjean, A. H. Miguel and T. M. Tavares	101 Urban air pollution in Brazil: acetaldehyde and other carbonyls
W. K. Weisweiler and B. U. Schwarz	107 Nature of ammonium containing particles in an urban site of Germany
J. M. Waldman, P. J. Liroy, G. D. Thurston and M. Lippmann	115 Spatial and temporal patterns in summertime sulfate aerosol acidity and neutralization within a metropolitan area
Y. Mamane	127 Estimate of municipal refuse incinerator contribution to Philadelphia aerosol using single particle analysis—II. Ambient measurements

H. G. Bastable, D. P. Rogers and
D. E. Schorran

E. Aguado

A. G. Clarke, D. R. Lambert and
M. J. Willison

J. G. Dikaiakos, C. G. Tsitouris,
P. A. Siskos, D. A. Melissos and
P. Nastos

Short Communication

R. J. W. Melia, S. Chinn and
R. J. Rona

Letter to the Editors

N. Ferrer and J. J. Perez

137 Tracers of opportunity and pollutant transport
in southern California

153 Effect of advected pollutants on solar radiation
attenuation: Mojave Desert, California

159 Trends in particulate deposition and precipi-
tation chemistry at Leeds (U.K.) 1907-1987

171 Rainwater composition in Athens, Greece

177 Indoor levels of NO₂ associated with gas
cookers and kerosene heaters in inner city areas
of England

181 Determination of sources of atmospheric
aerosol in the neighborhood of Barcelona
based on receptor models

Number 2

J. W. Munger, J. Collett, Jr,
B. Daube, Jr and M. R. Hoffmann

J. J. van Houdt

G. S. Karras, D. K. Pissimanis
and V. A. Notaridou

C. M. Rojas, P. Artaxo and
R. Van Grieken

H. Kono and S. Ito

H. Kono and S. Ito

M. S. El-Shobokshy,
S. A. Al-Tamrah and F. M. Hussein

L. G. Viras, K. Athanasiou and
P. A. Siskos

R. Infante, A. Carrasquillo and
V. Pérez

G. Hänel, D. Weidert and R. Busen

T. S. Shively

185 Fogwater chemistry at Riverside, California

207 Mutagenic activity of airborne particulate
matter in indoor and outdoor environments

221 On the trend of the transmittance of direct
solar irradiance in Athens during the summer

227 Aerosols in Santiago de Chile: a study using
receptor modeling with X-ray fluorescence and
single particle analysis

243 A micro-scale dispersion model for motor
vehicle exhaust gas in urban areas—OMG
VOLUME-SOURCE model

253 A comparison of concentration estimates by
the OMG VOLUME-SOURCE dispersion
model with three line source dispersion models

261 Inhalable particulates and meteorological char-
acteristics of the city of Riyadh, Saudi Arabia

267 Determination of mutagenic activity of air-
borne particulates and of the benzo[*a*]pyrene
concentrations in Athens atmosphere

275 Size distribution measurements of suspended
particulate matter in Ponce, Puerto Rico

283 Absorption of solar radiation in an urban
atmosphere

293 An analysis of the long-term trend in ozone
data from two Houston, Texas monitoring
sites

- S. M. Robeson and D. G. Steyn 303 Evaluation and comparison of statistical forecast models for daily maximum ozone concentrations
- R. J. de Dear and K. G. Leow 313 Indoor climate and thermal comfort in high-rise public housing in an equatorial climate: a field-study in Singapore
- M. J. Kerschgens and H. Kraus 321 On the energetics of the urban canopy layer
- K. W. Nicholson and T. D. Davies 329 Sulphate in atmospheric particulate at five sites in Norwich (U.K.): use of National Survey archive filters
- J. Shindo, K. Oi and Y. Matsumoto 335 Considerations on air pollution monitoring network design in the light of spatio-temporal variations of data
- K. T. Hindy, S. A. Farag and N. M. El-Taieb 343 Monthly and seasonal trends of total suspended particulate matter and smoke concentration in industrial and residential areas in Cairo
- M. C. Forti,
L. M. Moreira-Nordemann,
M. F. Andrade and C. Q. Orsini 355 Elements in the precipitation of S. Paulo city (Brazil)
- Short Communication*
- S. T. Trudgill, H. A. Viles,
R. U. Cooke and R. J. Inkpen 361 Rates of stone loss at St Paul's Cathedral, London

Number 3

- H. Shafir and P. Alpert 365 On the urban orographic rainfall anomaly in Jerusalem—a numerical study
- J. V. Ramsdell, Jr 377 Diffusion in building wakes for ground-level releases
- D. L. Sisterson and J. D. Shannon 389 A comparison of urban and suburban precipitation chemistry
- Y. Kainuma, K. Shiozawa
and S. Okamoto 395 Study of the optimal allocation of ambient air monitoring stations
- P. Goyal and M. P. Singh 407 The long-term concentration of sulphur dioxide at Taj Mahal due to the Mathura Refinery
- B. H. O'Connor, I. Cameron
and D. J. Martin 413 Correlation between petrol lead additive consumption and atmospheric lead concentrations in Perth, Western Australia
- W. A. Van Borm, F. C. Adams
and W. Maenhaut 419 Receptor modeling of the Antwerp aerosol
- S. M. El Shazly 437 Study on particle size distributions of the fall-out dust from the atmosphere of Qena, Egypt
- S. B. Patil and R. S. Patil 443 Estimation of a quantitative air quality impact assessment score for a thermal power plant
- I Volume Contents and Author Index to Volume 24B, 1990